

# APPENDIX B: LESSON RESOURCES

## 5.1 The Mathematics of Transformative Resistance

- Teacher Resource, *Resistance Concept Map*
- Article, “Examining Transformational Resistance Through a Critical Race and Latcrit Theory Framework: Chicana and Chicano Students in an Urban Context,” <https://bit.ly/30jGWR8>

## 5.2 Do Just Some Students Take Honors Courses?

- Video, “Never Could Have Made It,” <https://vimeo.com/11201239>
- NCTM position statement: <https://www.nctm.org/Standards-and-Positions/Position-Statements/Closing-the-Opportunity-Gap-in-Mathematics-Education>
- Website, Algebra Project, <https://algebra.org/wp>
- Website, Young People’s Project, <http://www.typp.org>

## 5.3 Listen to GLSEN

- Task Card 1, *Listen to GLSEN*
- Task Card 2, *Closer to Home*
- Student Homework Resource 1, *Excerpt From Think B4 You Speak*
- Student Resource 2, *Taking Action*
- Article, “GLSEN 2017 National School Climate Survey Executive Summary,” <https://www.glsen.org/article/2017-national-school-climate-survey>

## 5.4 Estimated Wealth Distribution in the United States and the World

- Student Resource, *Wealth Distribution Grid*
- Worksheet 1, *Activity 1: Perceptions of Wealth Distribution in the United States of America*
- Worksheet 2, *Activity 2: Wealth Distribution Around the World*
- Website, Countries of the World, Infoplease, <http://www.infoplease.com/countries.html>
- Video, “Wealth Inequality in America,” <https://youtu.be/QPKKQnijnsM>

## 6.1 Children at the Border

- Worksheet 1, *Topic Descriptions*
- Worksheet 2, *Taking Action*
- Video, “Children at the Border,” from *PBS News Hour*, [www.youtube.com/watch?v=j\\_iB9qkwBTs](http://www.youtube.com/watch?v=j_iB9qkwBTs)

## 6.2 Climate Change in Alaska

- Ice Classic data (Excel file)
- Website, Nenana Ice Classic, <http://nenanaakiceclassic.com>
- Video, “Climate Change Is Making This Alaskan Town Fall Into the Ocean” (*HBO*), <https://www.youtube.com/watch?v=G40ooKzI664>
- Video, “Adaptation and Mitigation,” <http://bit.ly/2lYHddg>
- Video, “Global Warming,” <https://www.youtube.com/watch?v=QjnV8-oo12A>

### 6.3 Culturally Relevant Income Inequality

- Lesson PowerPoint
- Worksheet 1, *Readings About Income Inequality*
- Worksheet 2, *Analyzing Income Inequality by Race*
- Video, “Experiencing Racism in Segregated Mississippi in the 1960s | Iowans Return to Freedom Summer,” [https://mpt.pbslearningmedia.org/resource/freedomsummer\\_20160404\\_01/experiencing-racism-in-segregated-mississippi-in-the-1960s/#.XVLSRONKjIU](https://mpt.pbslearningmedia.org/resource/freedomsummer_20160404_01/experiencing-racism-in-segregated-mississippi-in-the-1960s/#.XVLSRONKjIU)
- Article, “How ‘Crazy Rich’ Asians Have Led to the Largest Income Gap in the U.S.,” by Adeel Hassan and Audrey Carlsen, *New York Times*, August 17, 2018, <https://www.nytimes.com/interactive/2018/08/17/us/asian-income-inequality.html>
- Article, “The State of Income Inequality: Yakima County’s Top 1% Makes 20.3 Times More Than the Other 99%,” by Emily Goodell, *Yakima Herald*, July 29, 2018, [https://www.yakimaherald.com/news/local/the-state-of-income-inequality-yakima-county-s-top-makes/article\\_ac704af0-93bb-11e8-9ae4-db28c692c0b8.html](https://www.yakimaherald.com/news/local/the-state-of-income-inequality-yakima-county-s-top-makes/article_ac704af0-93bb-11e8-9ae4-db28c692c0b8.html)
- Article, “Key Findings on the Rise in Income Inequality Within America’s Racial and Ethnic Groups,” by Rakesh Kochhar and Anthony Cilluffo, PEW Research Center, July 12, 2018, <https://www.pewresearch.org/fact-tank/2018/07/12/key-findings-on-the-rise-in-income-inequality-within-americas-racial-and-ethnic-groups/>
- Article, “A Tale of Two Families,” California Newsreel, 2003, [https://www.pbs.org/race/000\\_About/002\\_06\\_b-godeeper.htm](https://www.pbs.org/race/000_About/002_06_b-godeeper.htm)

### 6.4 Intersectionality and the Wage Gap

- Worksheet 1, *Investigating the Wage Gap: Race and Gender*
- Worksheet 2, *Investigating the Wage Gap: Race, Gender, and Ability*
- Video, “Finansförbundet on Equal Pay: What Do These Kids Understand That Your Boss Doesn’t?,” [https://youtu.be/snUE2jm\\_nFA](https://youtu.be/snUE2jm_nFA)

### 6.5 Literacy: What Matters and Why?

- Worksheet 1, *Part 1: What Variables Are Related to Literacy?*
- Worksheet 2, *Sorting Books*
- Worksheet 3, *Research*
- Worksheet 4, *Exploring Our Library*
- Student Resource, *Data Sources*
- Teacher Resource, *Literacy Strategies*
- Video, “Wealth Inequality in America,” *Politizane*, November 20, 2012, <http://www.youtube.com/watch?v=QPKKQnijnsM>
- Article and audio, “As Demographics Shift, Kids’ Books Stay Stubbornly White,” <http://www.npr.org/blogs/codeswitch/2013/06/25/193174358/as-demographics-shift-kids-books-stay-stubbornly-white?ft=1&f=1032>
- Video, “The Danger of a Single Story” (TED Talk), [http://www.ted.com/talks/chimamanda\\_adichie\\_the\\_danger\\_of\\_a\\_single\\_story.html](http://www.ted.com/talks/chimamanda_adichie_the_danger_of_a_single_story.html)
- Article, “11 Facts About Literacy in America,” <http://beta.dosomething.org/facts/11-facts-about-literacy-america>
- Article, “Teachers Make Handy Scapegoats, But Spiraling Inequality Is Really What Ails Our Education System,” by Joshua Holland and Linda Darling-Hammond, March 7, 2013, <http://www.alternet.org/education/teachers-make-handy-scapegoats-spiraling-inequality-really-what-ails-our-education-system?page=0%2C0>
- Article, “Reading for Life: The Poverty/Illiteracy Connection,” by R. H. Lauer, October 20, 2010, <http://www.languageandliteracyforall.org/literacy/reading-for-life-the-povertyilliteracy-connection>
- Infographic, “Understanding Illiteracy,” <https://visual.ly/community/infographic/education/understanding-illiteracy>

## 6.6 What's a Fair Living Wage?

- Student Task Cards
- Worksheet 1, *What's a Fair Living Wage? (Part 1 and Part 2)*

## 6.7 What's the Cost of Globalization?

- Article, "Globalization Makes No Sense in Nature's Economy," by SustainableHuman, December 28, 2017, [https://earthmaven.io/sustainablehuman/old-story/globalization-makes-no-sense-in-nature-s-economy-dEUD\\_oEEX0uYHozLnUttfw/](https://earthmaven.io/sustainablehuman/old-story/globalization-makes-no-sense-in-nature-s-economy-dEUD_oEEX0uYHozLnUttfw/)
- Article, "How Much Would an iPhone Cost If Apple Were Forced to Make It in America?," by Glenn Luk, January 17, 2018, <https://www.forbes.com/sites/quora/2018/01/17/how-much-would-an-iphone-cost-if-apple-were-forced-to-make-it-in-america/#2bfa5ba12d2a>
- Video, "The 'Cost' of Globalization," March 22, 2016, <https://www.youtube.com/watch?v=v0CdoXp8x44&feature=youtu.be>
- Video, "Apple's Chinese Factories: Exclusive," February 21, 2012, <https://www.youtube.com/watch?v=TmLsV9cSk0o&feature=youtu.be>

## 7.1 A False Positive

- Worksheet, *A False Positive*
- Student Resource, *Reading Debrief Protocol*
- Teacher Resource, *Teacher Exploration Key*

## 7.2 Are You a Citizen? 2020 Census

- Article, "What to Know About the Citizenship Question the Census Bureau Is Planning to Ask in 2020," Pew Research Center, <http://www.pewresearch.org/fact-tank/2018/03/30/what-to-know-about-the-citizenship-question-the-census-bureau-is-planning-to-ask-in-2020/>
- Website, U.S. Population Data, by PUMA prepared in CODAP, <https://codap.concord.org/releases/latest/static/dg/en/cert/index.html?url=https://concord-consortium.github.io/codap-data/SampleDocs/SocialScience/UnitedStates/USCensus/USPUMAS2000/USPUMAS2000.codap>
- Website, Census Bureau about the American Communities Survey, <https://www.census.gov/acs/www/about/why-we-ask-each-question/citizenship/>

## 7.3 "BBQ Becky," Policing, and Racial Justice

- Worksheet, *Stopped by the Police*
- Template, *Constructing Your Own Research*
- Article, "Video Shows Woman Calling Police Over Barbecue at Lake Merritt," <http://bit.ly/2kvo6HI>
- Article, "'We're Still Here': 'BBQ'n While Black' Draws Oaklanders Out in Force," <http://bit.ly/2kXtm6B>
- Video, "White Woman Called Out for Racially Targeting Black Men Having BBQ in Oakland," <https://www.sfgate.com/bayarea/article/Oakland-barbecue-Lake-Merritt-Sunday-confrontation-12902520.php>
- Website, Bay Area Census Data, <http://www.bayareacensus.ca.gov/cities/Oakland.htm>
- Report, "Language From Police Body Camera Footage Shows Racial Disparities in Officer Respect," <http://www.pnas.org/content/pnas/suppl/2017/05/30/1702413114.DCSupplemental/pnas.1702413114.sapp.pdf>

## 7.4 Do Postal Codes Predict Test Scores?

- Website, EdGap Map, <http://edgap.org>

## 7.5 Humanizing the Immigration Debate

- Lesson agenda PowerPoint
- Worksheet, *Notice and Wonder*
- Website, "Who Is Dayani Cristal?," <https://whoisdayanicristal.com>
- Video, "Volunteering With Humane Borders," <https://www.youtube.com/watch?v=wXiyJBaNOQk>
- Website, Arizona OpenGIS Initiative for Deceased Migrants, <http://humaneborders.info>

## 7.6 Prison Population

- Worksheet 1, *Investigating the United States Population*
- Worksheet 2, *A Look at the United States Prison Population*
- Teacher Resource 1, *Bag \_\_\_ Class Data, Lesson 1*
- Teacher Resource 2, *Getting Started Lesson 1*
- Teacher Resource 3, *Getting Started Lesson 2*
- Arrest Data, Excel file (from 2015 Census Bureau)

## 7.7 Sampling Disaster

- Worksheet 1, *Sampling and Proportions*
- Worksheet 2, *Confidence Intervals*
- Teacher Resource 1, *Introduction*
- Teacher Resource 2, *Solutions*
- Teacher Resource 3, *Confidence Intervals Simulation*
- Article, “Mortality in Puerto Rico After Hurricane Maria,” by Nishant Kishore et al., July 12, 2018, <https://www.nejm.org/doi/full/10.1056/NEJMsa1803972>
- Article, “Hurricane Maria Official Death Toll in Puerto Rico Rises to 2,975 From 64,” CBC News, August 29, 2018, <http://bit.ly/2kUWR9f>

## 8.1 Bringing Healthy Food Choices to the Desert

- Worksheet 1, *Healthy Food Market Sites*
- Worksheet 2, *Healthy Food Market Proposal*
- Website, Food Access Research Atlas, <https://www.ers.usda.gov/data-products/food-access-research-atlas>
- Student Resource, *Region Maps of the Northwest, Northeast, Southwest, and Southeast*
- Video, “Making the Business Case for Prevention: Healthy Options Sell in a Food Desert,” <https://youtu.be/mU5IJQpJFMc>
- Website, USDA Food Access Research Atlas, <https://www.ers.usda.gov/data-products/food-access-research-atlas/>

## 8.2 Gerrymandering

- Worksheet 1, *Introduction to Gerrymandering*
- Worksheet 2, *Numerical Measures of Fairness*
- Article, “How to Steal an Election: A Visual Guide,” by Christopher Ingraham, March 1, 2015, *The Washington Post Workblog*, <https://www.washingtonpost.com/news/wonk/wp/2015/03/01/this-is-the-best-explanation-of-gerrymandering-you-will-ever-see>
- Article, “Meet the Math Professor Who’s Fighting Gerrymandering With Geometry,” by Shannon Najmabadi, *The Chronicle of Higher Education*, February 22, 2017, <https://www.chronicle.com/article/Meet-the-Math-Professor/239260>
- Article, “How the New Math of Gerrymandering Works,” by Nate Cohn and Quoctrung Bui, *New York Times*, October 3, 2017, <https://www.nytimes.com/interactive/2017/10/03/upshot/how-the-new-math-of-gerrymandering-works-supreme-court.html>

## 8.3 Making Mathematical Sense of Food Justice

- Resource sheet, *Democratizing Access to Healthy Foods*
- Worksheet, *The USDA Problem*

#### 8.4 Paralympics

- Worksheet 1, *Task 1: Volleyball and Soccer Courts*
- Worksheet 2, *Task 2: Creating Skiing Tracks*
- Worksheet 3, *Guide for Task 3*
- Worksheet 4, *Organizing a Sitting Volleyball Tournament*
- Video, “London 2012 Paralympic Games,” <https://www.youtube.com/watch?v=gGpAnbVrEiE>
- Website, Paralympics Sports, [www.Paralympic.org/sports](http://www.Paralympic.org/sports)
- Applet, Ski Map, <https://www.geogebra.org/m/ue5psapi>
- Website, Sitting Volleyball, <http://www.worldparavolley.org/disciplines/sitting-volleyball>